To: "Wands, James" [James.Wands@hdrinc.com]
Cc: "Garland, Edward" [Edward.Garland@hdrinc.com]; ugenia Naranjo/R2/USEPA/US@EPA;Stephanie Vaughn/R2/USEPA/US@EPA[]; tephanie Vaughn/R2/USEPA/US@EPA[]
From: "Mathew, Rooni"
Sent: Wed 2/13/2013 9:44:50 PM
Subject: RE: RCATOX dredging
[mailto:RMathew@moffattnichol.com]

Thanks, James. Yes, we are running RCA on the same grid as the hydro/sedtran models. We'll look at the Phase 1 & 2 hardwiring in RCA in light of this information.

Rooni.

From: Wands, James [mailto:James.Wands@hdrinc.com]
Sent: Wednesday, February 13, 2013 4:30 PM
To: Mathew, Rooni
Cc: Garland, Edward; Eugenia Naranjo (Naranjo.Eugenia@epamail.epa.gov); Vaughn.Stephanie@epamail.epa.gov
Subject: RE: RCATOX dredging

Rooni,

This is a fairly easy one to answer. During Phase I a fraction of the area of cells 16 ,45 and 16, 46 are remediated. Those are the fractions below. Since they were going to be completed later, during Phase II, they were reduced by a fraction and then later set to zero to represent the remediation in the remaining fraction. Are you still running un-collapsed? If so, this may not be an issue for you, or at least not as much of an issue. You can align the smaller hydro cells with the Phase I area more closely, although not exactly.

If you need any further clarification just let me know.

James

From: Mathew, Rooni [mailto:RMathew@moffattnichol.com]
Sent: Wednesday, February 13, 2013 4:20 PM
To: Wands, James
Cc: Garland, Edward
Subject: RCATOX dredging

Hi James,

Another dredging-related question – sedtox_as.f has the code below for the Lister Ave Phase 1 dredging. The post-remediation concentrations seem to be set to a relatively high fraction of the pre-remediation concentrations, although the concentrations in these cells do get set to zero when the Phase 2 remedy is implemented. I just wanted to check with you on the rationale for this. Thanks,

Rooni.

```
STCHEM(16,45,:,:) = (1.-0.1294)*STCHEM(16,45,:,:)

STCHEM(16,46,:,:) = (1.-0.3790)*STCHEM(16,46,:,:)

STCHEMA(16,45,:,:) = (1.-0.1294)*STCHEMA(16,45,:,:)

STCHEMA(16,46,:,:) = (1.-0.3790)*STCHEMA(16,46,:,:)

STCHEMDB(16,45,:) = (1.-0.1294)*STCHEMDB(16,45,:)

STCHEMDB(16,46,:) = (1.-0.3790)*STCHEMDB(16,46,:)
```